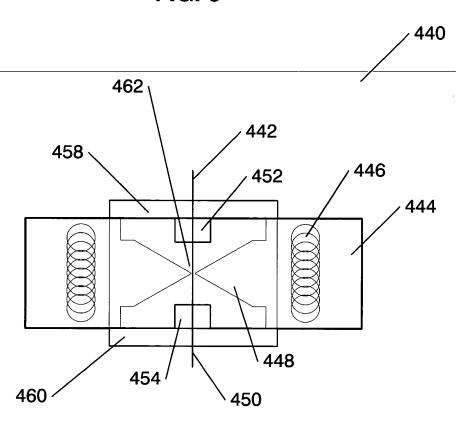


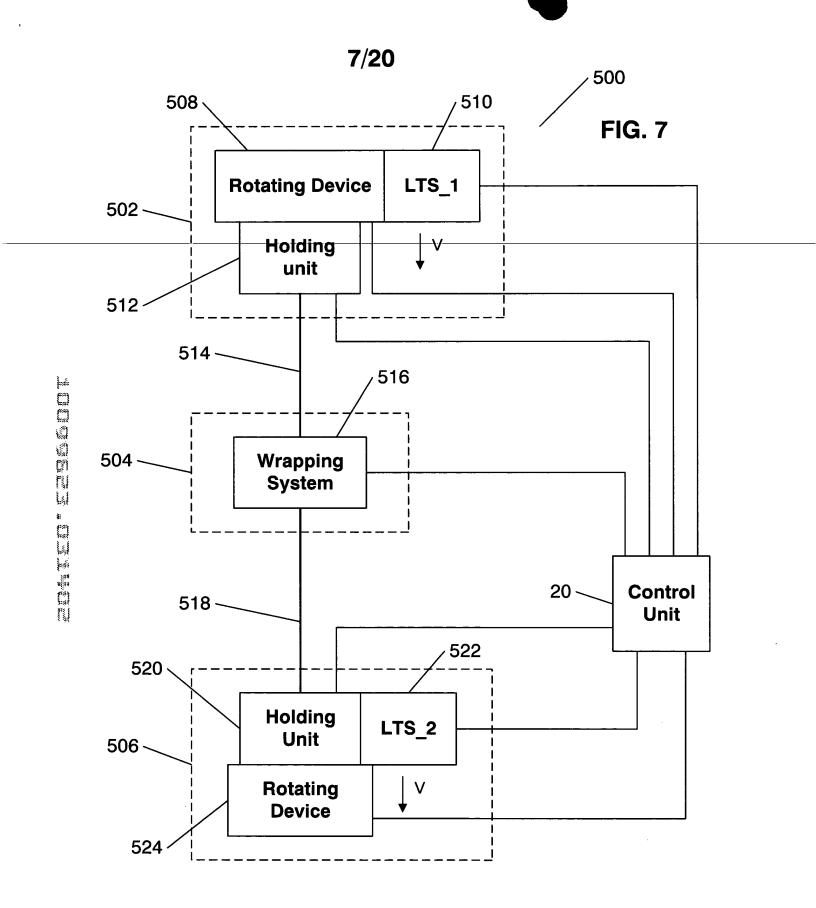
FIG. 5 408 400 **Twisting Device** 402 ~ Holding unit 410 412 ~ 418 416  $V_1$ 404 ~ Heating **LTS Device** 20 -**Control** 420 \_\_\_ Unit 422 Tensioning Unit 406 -

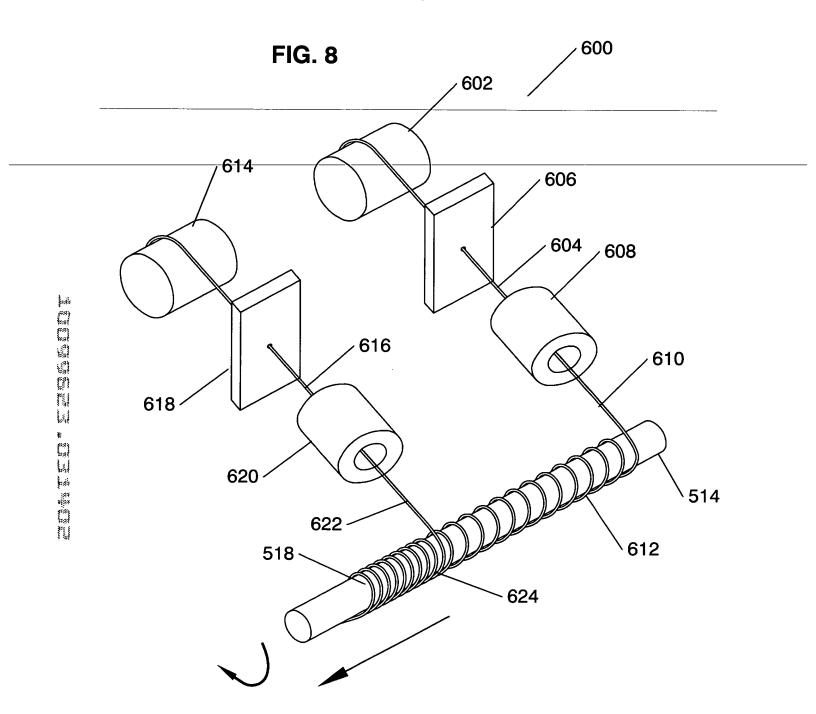
Secondary Twisting Device

424

FIG. 6







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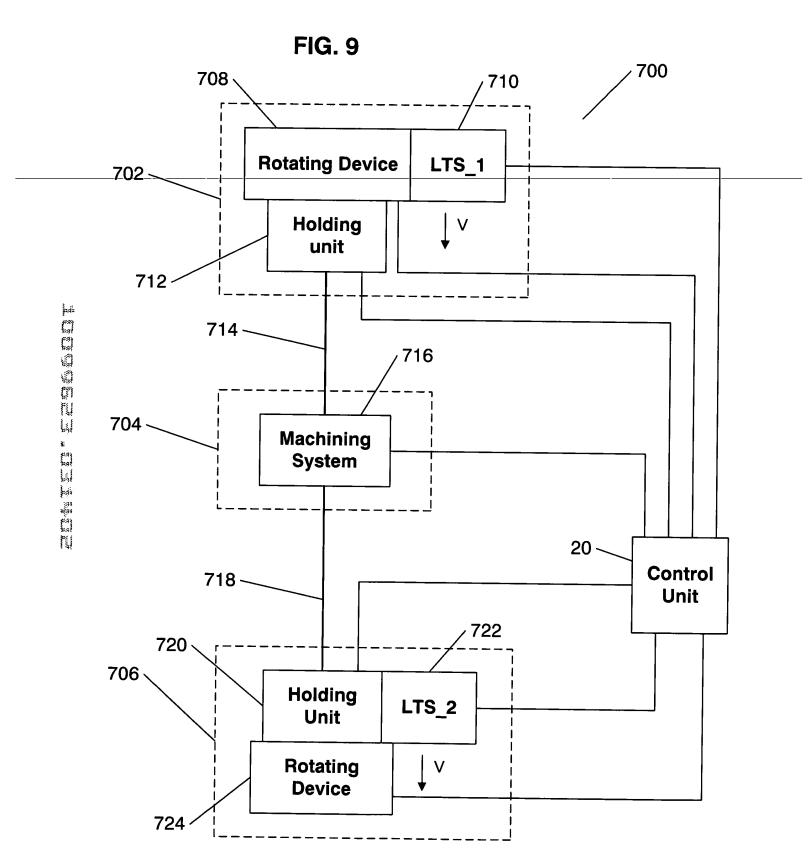
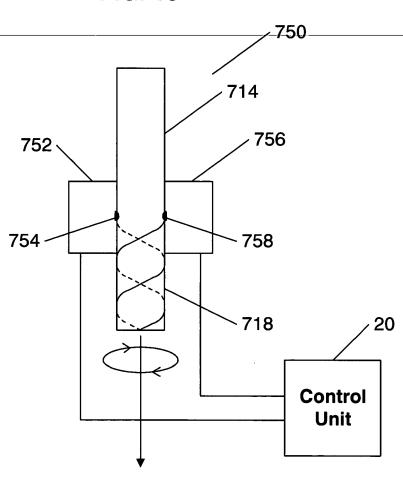
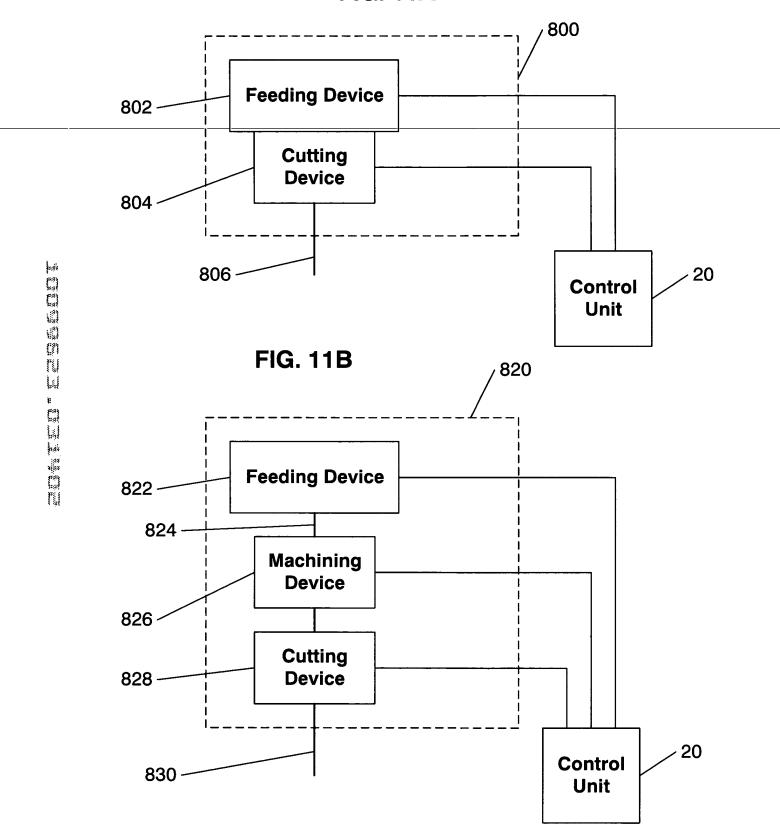


FIG. 10



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**FIG. 11A** 



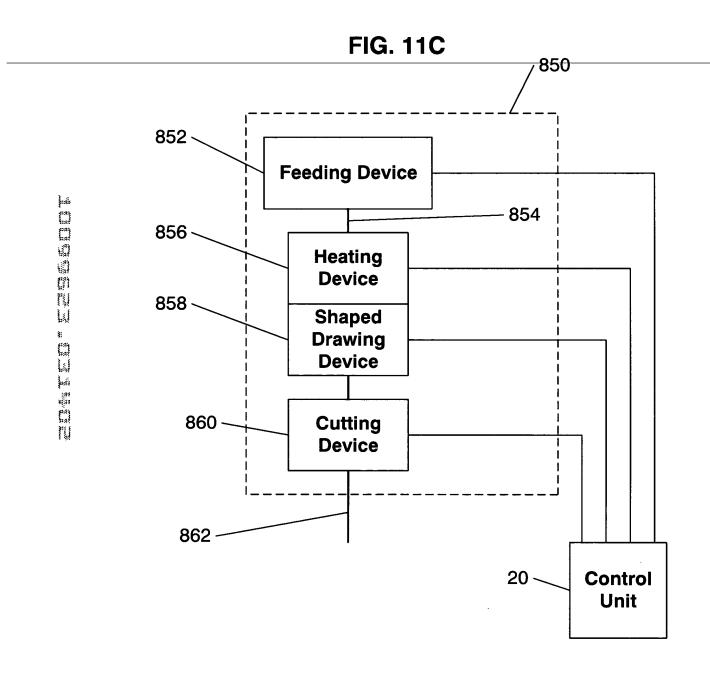


FIG. 12

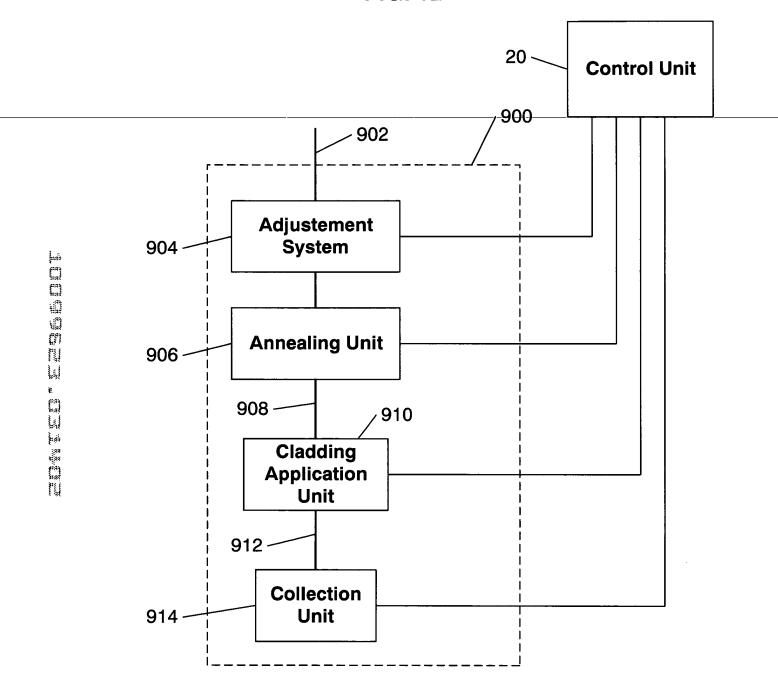


FIG. 13A

FIG. 13B

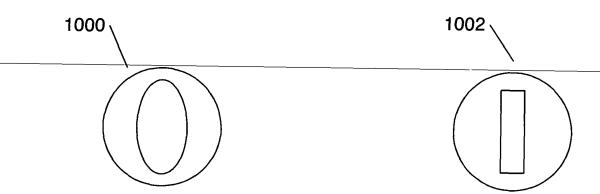


FIG. 13C

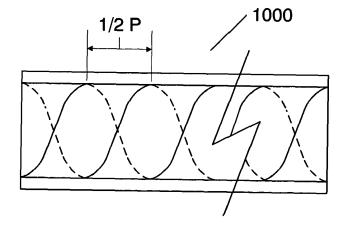


FIG. 14A

FIG. 14B

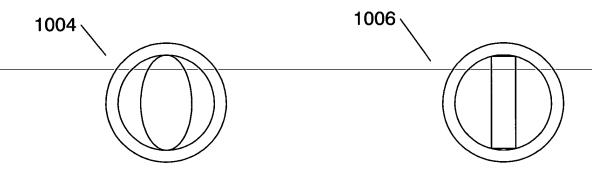


FIG. 14C

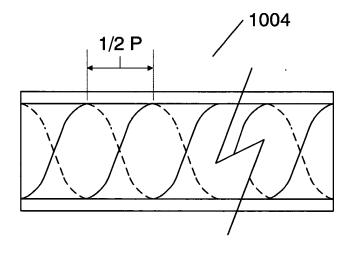


FIG. 15A

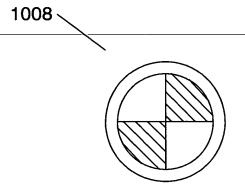


FIG. 15B

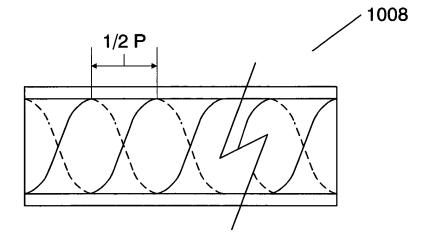


FIG. 16A

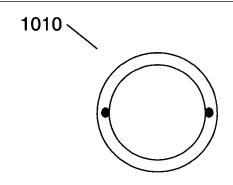


FIG. 16B

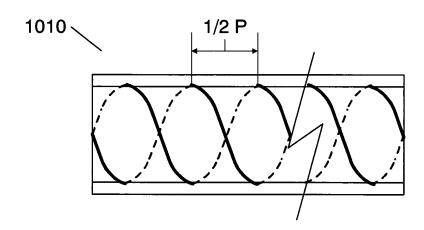


FIG. 17A

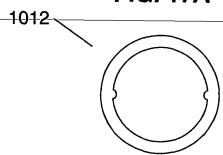


FIG. 17B

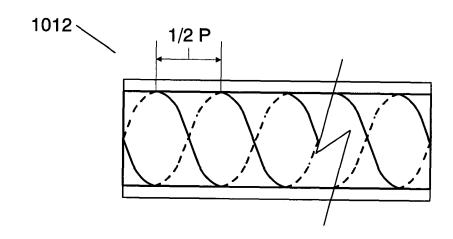


FIG. 18A

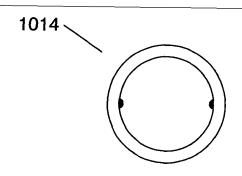
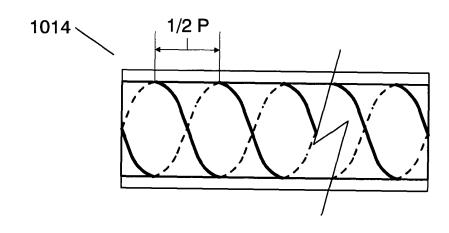


FIG. 18B



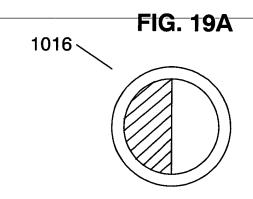


FIG. 19B

